REMARKS

Reconsideration and allowance of the subject application is respectfully requested.

The Specification has been amended to conform the written description to the Drawings and to make typographical and other corrections that would be self-evident to someone of ordinary skill in the art.

Claims 1-7 and 12-27 are pending in the application. Claims 1, 15, and 22 are independent. Claims 8-11 have been cancelled. Claims 13-27 have been added.

Claim 1 was objected to because the claimed limitations were not sequentially denoted. Claim 1 has been amended appropriately.

Claim 5, line 2 was objected to due to a typographical error. Claim 5 has been amended appropriately.

Claims 6-12 were objected to due to improper dependence of a multiple dependent claims. All multiple dependence has been removed in the amended claims or the claims in question cancelled.

Claims 1-12 were rejected under the first paragraph of 35 U.S.C. § 112 because, as recited in Claim 1, the items numbered (ii) and (iv) were allegedly not disclosed in the Specification. In addition, the features recited in Claims 8 and 10 of "decryption services" and "decompression services" were also allegedly not disclosed in the Specification.

The Applicants expressly traverse the rejection of Claims 1-12. However, in the interest of carrying the prosecution forward and without prejudice, the Applicants have amended Claim 1 for clarity with respect to the Specification and Drawings.

Item (ii), as recited in Claim 1 as amended, now reads as follows:

"(ii)   distribute the at least two identified operating system functions to respective telecommunication nodes;".

This recitation is supported by the following paragraph found at page 12, lines 24-27 of the Specification:

> This data stream is then transported over the telecommunications network by identifying and executing operating system software functions in real-time at step 58, where the operating system software functions are distributed over the telecommunications network.

Item (iii), as recited in Claim 1 as amended, now reads as follows:

"(iii)   execute each identified operating system function on its respective telecommunication node such that a corresponding predetermined total

execution time limit for executing all identified operating system functions is
not exceeded, in order to accomplish the desired communication."

This recitation is also supported by the paragraph found at page 12, lines 24-27 and the
following paragraph found at page 11, lines 19-24 of the Specification:

Real-time operating systems are operating systems where certain functions are
required to be executed within certain time limits, giving the user the
perception of continuous operation. In voice communication for example,
users will not generally accept total unidirectional time delays, referred to as
latencies, of greater than 200 milliseconds. Therefore, total execution time of
all functions that affect the voice signal will have to be executed in less than
200 milliseconds.

Claims 2, 6, and 7 have been amended so as to be consistent with the language of
Claim 1 as amended.

Claims 8-11 have been cancelled to obviate the objection relating to improper
multiple dependence referred to above. New Claim 13 recites the features of encryption
services and compression services, but none of the pending claims expressly refer to
"decryption services" and "decompression services". The Applicants expressly traverse the
rejection of Claims 8 and 10, but in the interest of carrying the prosecution forward and
without prejudice, the Applicants have not included express recitations of "decryption
services" and "decompression services" in the pending claims. However, the Applicants note
that, while no express disclosure of decryption services or decompression services is found in
the Specification, such services would be necessarily implied by the express mention of
encryption services and compression services to someone of ordinary skill in the art.

New Claim 13 is supported by the disclosure found at page 16, lines 28 to page 17,
line 15; page 17, lines 30-35; and page 21, lines 26-31.

New Claim 14 is supported by the disclosure found at page 16, lines 28 to page 17,
line 15.

New Claim 15 is supported by the disclosure found at page 14, lines 20-26; page 15,
lines 10-12, 16-18, and 22-27; page 16, lines 13-21; and Figures 5A and 5B.

New Claim 16 is supported by the disclosure found at page 1, lines 8-12; page 5, lines
7-11; page 7, line 33 to page 8, line 1; page 11, line 33 to page 12, line 6; page 13, lines 23-
26; and page 20, lines 10-12.

New Claim 17 is supported by the disclosure found at page 15, lines 1-4.

New Claim 18 is supported by the disclosure found at page 1, lines 8-12; page 16, line
34 to page 17, line 5; and page 18, lines 15-24.

New Claim 19 is supported by the disclosure found at page 16, lines 22-27.

New Claims 20-21 are supported by the disclosure found at page 17, lines 20-29 and page 19, lines 8-17.
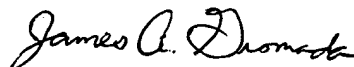
New Claims 22-27 are supported by the disclosures that support new Claims 15-21.

Therefore, each of new Claims 13-27 is fully supported by the original disclosure. No new matter has been added.

In view of the above amendments and remarks, it is believed that this application is now in condition for allowance, and a Notice thereof is respectfully requested.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 625-3500. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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